

## **ABSTRACT OF THE DISCLOSURE**

The difficulties and drawbacks of the previous-type systems are overcome by the present antenna system, alone and in combination with a wireless access point. The present antenna system includes a plurality of antenna elements for providing a respective  
5 plurality of communications signals over a wireless channel. An isolating structure is provided, selectively positioned with respect to the antenna elements, for selective varying signal isolation between the respective antenna elements. In this way, the present system is selectable between a high-throughput/short-range configuration and a low-throughput/long-range configuration.

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